



west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
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Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

November 21, 2016

CERTIFIED MAIL

7199 9991 7034 1382 2695

Robert L. Cline, Authorized Agent
Greenbrier Minerals, LLC
PO Box 446
Man, WV 25635

Re: Application Status: Approved
Greenbrier Minerals, LLC
Lower War Eagle Facility
Registration Application G10-D131C
Plant ID No. 045-00131

Dear Mr. Cline:

Your application for a General Permit G10-D registration to modify a coal preparation plant as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed registration G10-D131C is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

A copy of the complete General Permit G10-D may be obtained from the DAQ's website at the following address: <http://www.dep.wv.gov/daq/permitting/Pages/airgeneralpermit.aspx>.

This permit does not affect 45CSR30 applicability. The source continues to be a nonmajor source subject to 45CSR30.

In accordance with 45CSR30 - Operating Permit Program, the permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

Any person whose interest may be affected, including, but not necessarily limited to, the

applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

Should you have any questions, please contact me at (304) 926-0499, ext. 1210.

Sincerely,

A handwritten signature in blue ink that reads "Daniel P. Roberts". The signature is fluid and cursive, with a long horizontal stroke extending from the end of the name.

Daniel P. Roberts, Engineer Trainee
NSR Permitting Section

Enclosures

c: Leslie Lavender
Donna Toler

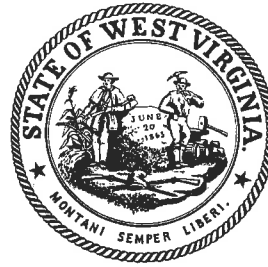
West Virginia Department of Environmental Protection

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Class II General Permit G10-D Registration to Modify



for the
Prevention and Control of Air Pollution in regard to the
Construction, Modification, Relocation,
Administrative Update and Operation of
Coal Preparation Plants and Coal Handling Operations

*The permittee identified at the facility listed below is authorized to
construct the stationary sources of air pollutants identified herein in accordance
with all terms and conditions of General Permit G10-D.*

G10-D131C

Issued to:

Greenbrier Minerals, LLC
Lower War Eagle Facility
045-00131

A blue ink signature of William F. Durham, written in a cursive style.

William F. Durham
Director

Effective: November 21, 2016

This Class II General Permit Registration will supersede and replace general permit registration G10-D131B approved on October 5, 2015.

File research indicates that the Lower War Eagle Facility feeds an underground conveying system which emerges and feeds Greenbrier Minerals, LLC's Saunders Preparation Plant (045-00131, G10-D103F). Greenbrier Minerals, LLC's coal handling facility (Lower War Eagle Facility: 109-00198, G10-D131B) and wet wash coal preparation plant (Saunders Preparation Plant: 045-00131, G10-D103F) meet the definition of "Building, Structure, Facility, or Installation" in 45CSR14.2.10 and "Major Source" in 45CSR30.2.26 and shall be considered as one facility for determining applicability to 45CSR14 (PSD) and 45CSR30 (Title V). Therefore, Greenbrier Minerals, LLC's proposed modifications and their existing operations shall be combined when determining applicability and share the common facility ID Number of 045-00131.

As discussed with and recommended by Bev McKeone, NSR Program Manager, on September 21, 2015, the facility ID No. for the Lower War Eagle Facility will be changed from 109-00198 to 045-00131 even though the facility actually lies just past the Logan County line inside of Wyoming County. The Lower War Eagle facility has approximately 1 mile of underground belt conveyors and then they merge onto the Powellton Deep Mine conveyors through a flop gate. The Powellton Deep Mine conveyors extend for approximately 4-5 miles and are fed by underground mining operations that produce coal during the week days and transfer it to the Saunders Preparation Plant. On the weekends, the flop gate is shifted and the from the Lower War Eagle Facility is transferred to the Saunders Preparation Plant. The flop gate prevents coal from being transferred from the Lower War Eagle Facility and the Powellton deep mine at the same time.

Facility Location: Cyclone, Wyoming County, West Virginia
Mailing Address: PO Box 446, Man, WV 25635
Facility Description: Coal Preparation Plant
SIC Code: 1222 (Bituminous Coal & Lignite - Underground)
1221 (Bituminous Coal & Lignite - Surface)
NAICS Code: 212112 (Bituminous Coal Underground Mining)
212111 (Bituminous Coal and Lignite Surface Mining)
UTM Coordinates: Easting: 435.8958 km Northing: 4176.3958 km NAD83 Zone 17
Lat/Lon Coordinates: Latitude: 37.732597 Longitude: -81.727500 NAD83
Registration Type: Modification
Description of Change: Modification to add truck dump bin BS-01, breaker CR-01 and two belt conveyors BC-09 and BC-10 that will tie into the existing belt conveyor system at BC-06. Trucking of 500 TPH and 4,380,000 TPY of surface mine raw coal over an unpaved haulroad will also be added.

Subject to 40CFR60 Subpart Y? Yes
Subject to 40CFR60 Subpart IIII? No
Subject to 40CFR60 Subpart JJJJ? No

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit or registration issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

This permit does not affect 45CSR30 applicability. The source remains a nonmajor source subject to 45CSR30.

All registered facilities under Class II General Permit G10-D are subject to Sections 1.0, 1.1, 2.0, 3.0 and 4.0.

The following sections of Class II General Permit G10-D apply to the registrant:

Section 5	Coal Preparation and Processing Plants and Coal Handling Operations	<input checked="" type="checkbox"/>
Section 6	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after October 27, 1974, and on or before April 27, 2008 (40 CFR 60 Subpart Y)	<input type="checkbox"/>
Section 7	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after April 28, 2008, and on or before May 27, 2009 (40 CFR 60 Subpart Y)	<input type="checkbox"/>
Section 8	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after May 27, 2009 (40 CFR 60 Subpart Y)	<input checked="" type="checkbox"/>
Section 9	Reciprocating Internal Combustion Engines (R.I.C.E.)	<input type="checkbox"/>
Section 10	Tanks	<input type="checkbox"/>
Section 11	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60 Subpart IIII)	<input type="checkbox"/>
Section 12	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40 CFR 60 Subpart JJJJ)	<input type="checkbox"/>

Emission Units

Equip- ment ID #	Date of Construction, Reconstruction or Modification ¹	G10-D Applicable Sections ²	Emission Unit Description	Design Capacity		Control Device ³	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID. No.	Control Device
Trucked Surface Mine Raw Coal Circuit									
BS-01	C 2016	5 and 8	Truck Dump Bin - 150 tons capacity - receives surfaced mined raw coal from trucks and feeds it into CR-01	500	4,380,000	PE	B A	TP-13 TP-14	UD-PW TC-FE
CR-01	C 2016	5 and 8	Breaker - receives raw coal from BS-01, crushes it to 6"x0 and drops it onto BC-10	500	4,380,000	FW	B A	TP-14 TP-15	TC-FE TC-FW
BC-09	C 2011	5 and 8	Belt Conveyor - receives sized raw coal (6"x0) from CR-01 and transfers it to BC-10	500	4,380,000	PE	B A	TP-15 TP-16	TC-FW TC-FE
BC-10	C 2011	5 and 8	Belt Conveyor - receives sized raw coal (6"x0) from BC-09 and transfers it to BC-10	500	4,380,000	PE	B A	TP-16 TP-17	TC-FE TC-FE
Deep Mined Raw Coal Circuit									
BC-01	C 2011	5 and 8	Belt Conveyor - receives raw coal (6"x0) from the deep mine and transfers it to BC-02	1,000	8,760,000	PE	B A	TP-01 TP-03	TC-FE TC-FE
BC-02	C 2011	5 and 8	Belt Conveyor - transfers raw coal (4"x0) from BC-01 to open stockpile OS-01 via stacking tube	1,000	8,760,000	PE	B A	TP-03 TP-04	TC-FE TC-PE
OS-01	M 2015 C 2011	5 and 8	Raw Coal Stockpile with a stacking tube - maximum 85,000 tons capacity, 188,869 ft² base area and 75' height - receives deep mine raw coal (4"x0) from BC-02 and underpile reclaim feeders drop to BC-03 or a front end-loader transfer it to truck for shipment	----	8,760,000	WS	B A A	TP-04 TP-05 TP-12	TC-PE LO-UC LO- MDH
BC-03	C 2011	5 and 8	Belt Conveyor - transfers deep mine raw coal (4"x0) from open stockpile OS-01 to belt conveyor BC-04	1,000	8,760,000	PE	B A	TP-05 TP-06	TC-FE TC-FE

Equipment ID #	Date of Construction, Reconstruction or Modification ¹	G10-D Applicable Sections ²	Emission Unit Description	Design Capacity		Control Device ³	Associated Transfer Points		
				TPH	TPY		Location: B - Before A - After	ID. No.	Control Device ³
BC-04	C 2011	5 and 8	Belt Conveyor - transfers deep mine raw coal (4"x0) from BC-03 to belt conveyor BC-05	1,000	8,760,000	PE	B A	TP-06 TP-07	TC-FE TC-FE
BC-05	C 2011	5 and 8	Belt Conveyor - transfers deep mine raw coal (4"x0) from BC-04 to belt conveyor BC-06	1,000	8,760,000	PE	B A	TP-07 TP-08	TC-FE TC-FE
BC-06	C 2011	5 and 8	Belt Conveyor - transfers deep mine raw coal (4"x0) from BC-05 and sized surface mine coal (6"x0) to belt conveyor BC-07	1,000	8,760,000	PE	B A	TP-08 TP-09	TC-FE TC-FE
BC-07	C 2011	5 and 8	Belt Conveyor - transfers deep mine raw coal (4"x0) from BC-06 and sized surface mine coal (6"x0) to belt conveyor BC-08	1,000	8,760,000	PE	B A	TP-09 TP-10	TC-FE TC-FE
BC-08	C 2011	5 and 8	Belt Conveyor - transfers deep mine raw coal (4"x0) from BC-07 and sized surface mine coal (6"x0) to an underground deep mine belt system for the Saunders Preparation Plant (G10-D103F) located in Logan County.	1,000	8,760,000	PE	B A	TP-10 TP-11	TC-FE TC-FE

¹ In accordance with 40 CFR 60 Subpart Y, coal processing and conveying equipment, coal storage systems, and coal transfer and loading systems constructed, reconstructed, or modified after April 28, 2008 shall not discharge gases which exhibit 10 percent opacity or greater. For open storage piles constructed, reconstructed, or modified after May 27, 2009, the permittee shall prepare and operate in accordance with a fugitive coal dust emissions control plan that is appropriate for site conditions.

² All registered affected facilities under Class II General Permit G10-D are subject to Sections 1.0, 1.1, 2.0, 3.0 and 4.0.

³ Control Device Abbreviations: FE - Full Enclosure; FW - Full Enclosure with Water Sprays; PE - Partial Enclosure; PW - Partial Enclosure with Water Sprays; WS - Water Sprays; and N - None.

Emission Limitations

Facility Emissions Summary Greenbrier Minerals, LLC Lower War Eagle Facility	Maximum Controlled PM Emissions		Maximum Controlled PM ₁₀ Emissions	
	lb/hour	TPY	lb/hour	TPY
Fugitive Emissions				
Open Storage Pile Emissions	0.30	1.32	0.14	0.62
Unpaved Haulroad Emissions	48.19	211.09	13.93	61.01
Paved Haulroad Emissions	4.75	20.82	0.92	4.04
<i>Fugitive Emissions Total</i>	<i>53.25</i>	<i>233.23</i>	<i>14.99</i>	<i>65.67</i>
Point Source Emissions				
Equipment Emissions	1.00	4.38	0.47	2.06
Transfer Point Emissions	3.06	13.39	1.45	6.33
<i>Point Source Emissions Total (PTE)</i>	<i>4.06</i>	<i>17.77</i>	<i>1.92</i>	<i>8.39</i>
FACILITY EMISSIONS TOTAL	57.31	251.00	16.91	74.06

Control Devices - Not Applicable

Control Device ID No.	Source ID No.	Date Constructed, Reconstructed, or Modified	Emission Unit Description (Make, Model, Serial No., etc.)

Engines - Not Applicable

Source ID No.	Emission Source ID No.	Pollutant	Maximum Emissions	
			lb/hour	TPY
		Nitrogen Oxides (NO _x)		
		Carbon Monoxide (CO)		
		Volatile Organic Compounds (VOC)		
		Formaldehyde		

Reciprocating Internal Combustion Engines - Not Applicable

Emission Unit ID No.	Emission Unit Description (Make, Model, Serial No., etc.)	Year Installed	Design Capacity (Bhp/rpm)

Reciprocating Internal Combustion Engines (R.I.C.E.) Information - Not Applicable

Emission Unit ID No.	Subject to 40CFR60 Subpart IIII?	Subject to 40CFR60 Subpart JJJJ?	Subject to Sections 9.1.4/9.2.1 (Catalytic Reduction Device)